CLAIMS

What is claimed is:

1 1.   A method for securely storing data within a memory, the

2 method comprising the steps of:

3   encrypting the data using a non-verifiable personal

4 identifier;

5   encrypting a reminder using the non-verifiable personal

6 identifier; and

7   storing the encrypted data and the encrypted reminder in

8 the memory;

9   wherein the stored encrypted data and the stored

10 encrypted reminder can only be correctly decrypted using the

11 non-verifiable personal identifier, wherein a correctly

12 decrypted reminder provides an indication of correctly

13 decrypted data.

1 2.   The method as defined in claim 1, wherein the data is one

2 or more personal identification codes.

1   3.   The method as defined in claim 1, wherein the reminder is

2   a user-identifiable code.

1   4.   The method as defined in claim 1, wherein the non-

2   verifiable personal identifier is not stored in the memory.

1   5.   The method as defined in claim 4, wherein the non-

2   verifiable personal identifier comprises alphanumeric

3   characters.

1   6.   The method as defined in claim 4, wherein the non-

2   verifiable personal identifier comprises an identifiable

3   personal characteristic.

1   7.   The method as defined in claim 6, wherein the

2   identifiable personal characteristic comprises one of a human

3   voice, a human fingerprint, and a human eye.

1   8.   The method as defined in claim 4, further comprising the

2   step of:

3   applying the non-verifiable personal identifier against

4   the stored encrypted data and the stored encrypted reminder so

5   as to decrypt the stored encrypted data and the stored

6   encrypted reminder.

1   9.   The method as defined in claim 8, further comprising the

2   step of:

3   providing the data after being correctly decrypted using

4   the using the non-verifiable personal identifier.

1   10.   The method as defined in claim 9, wherein the data is

2   displayed.

1   11.   The method as defined in claim 9, wherein the data is

2   announced.

1   12.   The method as defined in claim 8, further comprising the

2   step of:

3   providing the reminder after being correctly decrypted

4   using the using the non-verifiable personal identifier.

1   13.   The method as defined in claim 12, wherein the reminder

2   is displayed.

1   14.   The method as defined in claim 12, wherein the reminder

2   is announced.

1   15.   The method as defined in claim 8, further comprising the

2   step of:

3   waiting a predetermined time period before applying

4   another personal identifier against the stored encrypted data

5   and the stored encrypted reminder for the purpose of

6   decrypting the stored encrypted data and the stored encrypted

7   reminder.

1   16.   The method as defined in claim 1, further comprising the

2   step of:

3   applying an identifier other than the non-verifiable

4   personal identifier against the stored encrypted data and the

5   stored encrypted reminder so as to incorrectly decrypt the

6   stored encrypted data and the stored encrypted reminder.

1   17.   The method as defined in claim 16, further comprising the

2   step of:

3   providing incorrect data after the encrypted data has

4   been incorrectly decrypted using an identifier other than the

5   non-verifiable personal identifier.

1   18.   The method as defined in claim 17, wherein the incorrect

2   data is displayed.

1   19.   The method as defined in claim 17, wherein the incorrect

2   data is announced.

1   20.   The method as defined in claim 16, further comprising the

2   step of:

3   providing an incorrect reminder after the encrypted

4   reminder has been incorrectly decrypted using an identifier

5   other than the non-verifiable personal identifier.

1   21.   The method as defined in claim 20, wherein the incorrect

2   reminder is displayed.

1   22.   The method as defined in claim 20, wherein the incorrect

2   reminder is announced.

1   23.   The method as defined in claim 16, further comprising the

2   step of:

3   waiting a predetermined time period before applying

4   another personal identifier against the stored encrypted data

5   and the stored encrypted reminder for the purpose of

6   decrypting the stored encrypted data and the stored encrypted

7   reminder.

1   24.   An apparatus for securely storing data within a memory,

2   the apparatus comprising:

3   at least one processor configured to:

4   encrypt the data using a non-verifiable personal

5   identifier; and

6   encrypt a reminder using the non-verifiable personal

7   identifier; and

8   a memory for storing the encrypted data and the encrypted

9   reminder;

10   wherein the stored encrypted data and the stored

11   encrypted reminder can only be correctly decrypted using the

12   non-verifiable personal identifier, wherein a correctly

13   decrypted reminder provides an indication of correctly

14   decrypted data.

1   25.   The apparatus as defined in claim 24, wherein the data is

2   one or more personal identification codes.

1   26.   The apparatus as defined in claim 24, wherein the

2   reminder is a user-identifiable code.

1   27.   The apparatus as defined in claim 24, wherein the non-

2   verifiable personal identifier is not stored in the memory.

1   28.   The apparatus as defined in claim 27, wherein the non-

2   verifiable personal identifier comprises alphanumeric

3   characters.

1   29.   The apparatus as defined in claim 27, wherein the non-

2   verifiable personal identifier comprises an identifiable

3   personal characteristic.

1   30.   The apparatus as defined in claim 29, wherein the

2   identifiable personal characteristic comprises one of a human

3   voice, a human fingerprint, and a human eye.

1   31. The apparatus as defined in claim 27, wherein the at

2   least one processor is further configured to:

3   decrypt the stored encrypted data and the stored

4   encrypted reminder with the non-verifiable personal

5   identifier.

1   32. The apparatus as defined in claim 31, further comprising:

2   a output device for displaying the data after being

3   correctly decrypted using the using the non-verifiable

4   personal identifier.

1   33. The apparatus as defined in claim 31, further comprising:

2   an output device for announcing the data after being

3   correctly decrypted using the using the non-verifiable

4   personal identifier.

1   34. The apparatus as defined in claim 31, further comprising:

2   a output device for displaying the reminder after being

3   correctly decrypted using the using the non-verifiable

4   personal identifier.

1   35. The apparatus as defined in claim 31, further comprising:

2   an output device for announcing the reminder after being

3   correctly decrypted using the using the non-verifiable

4   personal identifier.

1   36. The apparatus as defined in claim 31, wherein the at

2   least one processor is further configured to:

3   wait a predetermined time period before decrypting the

4   stored encrypted data and the stored encrypted reminder with

5   another personal identifier.

1   37. The apparatus as defined in claim 24, wherein the at

2   least one processor is further configured to:

3   incorrectly decrypt the stored encrypted data and the

4   stored encrypted reminder with an identifier other than the

5   non-verifiable personal identifier.

1   38. The apparatus as defined in claim 37, further comprising:

2   an output device for displaying incorrect data after the

3   encrypted data has been incorrectly decrypted using an

4   identifier other than the non-verifiable personal identifier.

1   39. The apparatus as defined in claim 37, further comprising:

2   an output device for announcing incorrect data after the

3   encrypted data has been incorrectly decrypted using an

4   identifier other than the non-verifiable personal identifier.

1   40.   The apparatus as defined in claim 37, further comprising:

2   an output device for displaying an incorrect reminder

3   after the encrypted reminder has been incorrectly decrypted

4   using an identifier other than the non-verifiable personal

5   identifier.

1   41.   The apparatus as defined in claim 37, further comprising:

2   an output device for announcing an incorrect reminder

3   after the encrypted reminder has been incorrectly decrypted

4   using an identifier other than the non-verifiable personal

5   identifier.

1   42.   The apparatus as defined in claim 37, wherein the at

2   least one processor is further configured to:

3   wait a predetermined time period before decrypting the

4   stored encrypted data and the stored encrypted reminder with

5   another personal identifier.

1   43. An article of manufacture for securely storing data

2   within a memory, the article of manufacture comprising:

3   at least one processor readable carrier; and

4   instructions carried on the at least one carrier; wherein

5   the instructions are configured to be readable from the at

6   least one carrier by at least one processor and thereby cause

7   the at least one processor to operate so as to:

8   encrypt the data using a non-verifiable personal

9   identifier;

10   encrypt a reminder using the non-verifiable personal

11   identifier; and

12   store the encrypted data and the encrypted reminder in

13   the memory;

14   wherein the stored encrypted data and the stored

15   encrypted reminder can only be correctly decrypted using the

16   non-verifiable personal identifier, wherein a correctly

17   decrypted reminder provides an indication of correctly

18   decrypted data.

1   44. The article of manufacture as defined in claim 43,

2   wherein the data is one or more personal identification codes.

1   45. The article of manufacture as defined in claim 43,

2   wherein the reminder is a user-identifiable code.

1   46. The article of manufacture as defined in claim 43,

2   wherein the non-verifiable personal identifier is not stored

3   in the memory.

1   47. The article of manufacture as defined in claim 46,

2   wherein the non-verifiable personal identifier comprises

3   alphanumeric characters.

1   48. The article of manufacture as defined in claim 46,

2   wherein the non-verifiable personal identifier comprises an

3   identifiable personal characteristic.

1   49. The article of manufacture as defined in claim 48,

2   wherein the identifiable personal characteristic comprises one

3   of a human voice, a human fingerprint, and a human eye.

1   50. The article of manufacture as defined in claim 46,

2   further causing the at least one processor to operate so as

3   to:

4   apply the non-verifiable personal identifier against the

5   stored encrypted data and the stored encrypted reminder so as

6   to decrypt the stored encrypted data and the stored encrypted

7   reminder.

1   51. The article of manufacture as defined in claim 50,

2   further causing the at least one processor to operate so as

3   to:

4   provide the data after being correctly decrypted using

5   the using the non-verifiable personal identifier.

1   52. The article of manufacture as defined in claim 51,

2   wherein the data is displayed.

1   53. The article of manufacture as defined in claim 51,

2   wherein the data is announced.

1   54. The article of manufacture as defined in claim 50,

2   further causing the at least one processor to operate so as

3   to:

4   provide the reminder after being correctly decrypted

5   using the using the non-verifiable personal identifier.

1   55. The article of manufacture as defined in claim 54,

2   wherein the reminder is displayed.

1   56. The article of manufacture as defined in claim 54,

2   wherein the reminder is announced.

1   57. The article of manufacture as defined in claim 50,

2   further causing the at least one processor to operate so as

3   to:

4   wait a predetermined time period before applying another

5   personal identifier against the stored encrypted data and the

6   stored encrypted reminder for the purpose of decrypting the

7   stored encrypted data and the stored encrypted reminder.

1   58. The article of manufacture as defined in claim 43,

2   further causing the at least one processor to operate so as

3   to:

4   apply an identifier other than the non-verifiable

5   personal identifier against the stored encrypted data and the

6   stored encrypted reminder so as to incorrectly decrypt the

7   stored encrypted data and the stored encrypted reminder.

1   59. The article of manufacture as defined in claim 58,

2   further causing the at least one processor to operate so as

3   to:

4   provide incorrect data after the encrypted data has been

5   incorrectly decrypted using an identifier other than the non-

6   verifiable personal identifier.

1   60. The article of manufacture as defined in claim 59,

2   wherein the incorrect data is displayed.

1   61. The article of manufacture as defined in claim 59,

2   wherein the incorrect data is announced.

1   62. The article of manufacture as defined in claim 58,

2   further causing the at least one processor to operate so as

3   to:

4   provide an incorrect reminder after the encrypted

5   reminder has been incorrectly decrypted using an identifier

6   other than the non-verifiable personal identifier.

1   63. The article of manufacture as defined in claim 62,

2   wherein the incorrect reminder is displayed.

1   64.   The article of manufacture as defined in claim 62,

2   wherein the incorrect reminder is announced.

1   65.   The article of manufacture as defined in claim 58,

2   further causing the at least one processor to operate so as

3   to:

4   wait a predetermined time period before applying another

5   personal identifier against the stored encrypted data and the

6   stored encrypted reminder for the purpose of decrypting the

7   stored encrypted data and the stored encrypted reminder.